

**CLAIMS:**

1. An apparatus comprising:

a housing defining a slot to receive one of at least four different types of removable  
5 memory cards, wherein the slot includes:

a central region having a width to receive a memory card of a first type,

first outer regions that extend the width of the central region to a second width  
to receive a memory card selected from a second type of memory card and a third  
type of memory card, and

10 second outer regions that extend the width of the central region to a third  
width to receive a memory card of a fourth type; and

a plurality of electrically conductive contact areas to provide electrical contact with  
the four different types of memory cards.

15 2. The apparatus of claim 1, wherein at least a portion of each of the contact areas is  
disposed within the central region of the slot.

3. The apparatus of claim 1 further comprising a bias mechanism coupled to the housing  
to bias a memory card toward the contact areas.

20 4. The apparatus of claim 1, further comprising a bias mechanism coupled to the  
housing within the central region of the slot to bias memory cards toward a first side of the  
central region of the slot.

25 5. The apparatus of claim 4, wherein the bias mechanism biases a memory card to move  
the memory card a distance of at least approximately 3.5 mm from a second side of the  
central region of the slot.

30 6. The apparatus of claim 1, further comprising an insertion stop within the central  
region of the slot to limit an insertion depth of a memory card of a predetermined width or  
greater.

7. The apparatus of claim 1, wherein the housing has dimensions substantially conforming to a size specification of a CompactFlash removable memory card.

5 8. The apparatus of claim 1, wherein the central region of the slot has a height of approximately 2.8 mm and a width of at least approximately 24 mm.

9. The apparatus of claim 1,  
wherein the width of the central region is at least approximately 21.5 mm,  
10 wherein the first outer regions extend the width of the central region to at least approximately 24 mm, and  
wherein the second outer regions extend the width of the central region to at least approximately 37 mm.

15 10. The apparatus of claim 1, further comprising an electrically conductive interface for coupling to a memory card reader.

11. The apparatus of claim 1, further comprising an electrically conductive interface for coupling the apparatus to a connector for one of a Personal Computer Memory Card  
20 International Association (PCMCIA) bus, a Universal Serial Bus (USB) interface, a serial interface, a parallel interface, and a Small Computer System Interface (SCSI) interface.

12. The apparatus of claim 1, further comprising circuitry for converting signals received from the contact areas.

25

13. The apparatus of claim 1, wherein the circuitry converts the signals to conform to one of a Personal Computer Memory Card International Association (PCMCIA) bus, a Universal Serial Bus (USB), a serial interface, a parallel interface, and a small computer system interface (SCSI) interface.

30

14. The apparatus of claim 1, wherein the plurality of contact areas comprises:  
a first contact area for electrically coupling to a Smart Media memory card;  
a second contact area for electrically coupling to a Memory Stick memory card; and  
a third contact area for electrically coupling to a Secure Digital memory card or a  
5 MultiMedia memory card.

15. The apparatus of claim 1,  
wherein the housing defines the width of the central region to receive a Memory Stick  
removable memory card,

10 wherein the first outer regions extend the width of the central region to receive at  
least one of a MultiMedia removable memory card and a Secure Digital removable memory  
card, and

wherein the second outer regions extend the width of the central region to receive a  
Smart Media removable memory card.

16. The apparatus of claim 1, wherein the apparatus comprises an adapter or a memory  
card reader.

17. An apparatus comprising:

20 a plurality of electrically conductive contact areas disposed within a cavity to provide  
electrical contact with at least four different types of removable memory cards,

wherein the cavity includes:

a central region having a width to receive a Memory Stick removable memory  
card,

25 first outer regions that extend the width of the central region to a second width  
to receive a MultiMedia removable memory card or a Secure Digital removable  
memory card, and

second outer regions that extend the width of the central region to a third  
width to receive a Smart Media removable memory card.

18. A system comprising:

an adapter having a slot to receive one of at least four different types of removable memory cards, wherein the slot includes a central region having a width to receive a memory card of a first type, first outer regions that increase the width of the central region to a second width to receive a memory card selected from a second type of memory card or a third type of memory card, and second outer regions that increase the width of the central region to a third width to receive a memory card of a fourth type; and

a computing device having a port to receive the adapter.

19. The system of claim 18, wherein the port of the computing device comprises one of a Personal Computer Memory Card International Association (PCMCIA) interface, a Universal Serial Bus (USB) interface, a serial interface, a parallel interface, and a Small Computer System Interface (SCSI) interface.

20. An apparatus comprising:

a housing defining a slot with a plurality of differently sized regions to receive at least four different types of memory cards, wherein the plurality of differently sized regions of the slot includes:

a first region having a first width to receive a memory card of a first type,

a second region having a second width greater than the first width, the second width being sized to receive a memory card selected from a second type of memory card and a third type of memory card, and

a third region having a third width greater than the first width and greater than the second width, the third width being sized to receive a memory card of a fourth type; and

a plurality of electrically conductive contact areas to provide electrical contact with the four different types of memory cards.